

IN THE CLAIMS:

Please amend claims 1-8, 10-12, 14, 22-23, 25, 31, and 34 as follows. Please cancel claims 13, 15-19, 24, 27-30, and 32-33 without prejudice or disclaimer. Please add new claims 35-62 as follows.

1. (Currently Amended) A method, comprising:

determining a type of an access network associated with communications via a gateway in a communication system via which a service is to be provided; and

enforcing at the gateway in the provisioning of said service via said access network deciding a traffic flow control policy to apply to communications via the gateway based decided on the basis of on information regarding the type of the access network.

2. (Currently Amended) A method as claimed in claim 1, comprising:

~~signaling~~ receiving data from an entity associated with the access network ~~to~~ at the gateway; and

determining the type of the access network based on said data.

3. (Currently Amended) A method as claimed in claim 2, ~~wherein the signaling comprises sending~~ comprising receiving type information from the entity ~~to~~ at the gateway.

4. (Currently Amended) A method as claimed in claim 2, wherein ~~the signaling comprises signaling data from the entity, in which the entity associated with the access network comprises a node connected to the access network.~~

5. (Currently Amended) A method as claimed in claim 2, wherein ~~the signaling comprises signaling data from the entity, in which the entity associated with the access network comprises a user equipment.~~

6. (Currently Amended) A method as claimed in claim 2, wherein ~~the signaling comprises~~comprising sendingreceiving a request for a data bearer at the gateway.

7. (Currently Amended) A method as claimed in claim 6, wherein the request for a data bearer~~comprising including~~ includes information regarding the type of the access network ~~in a request for a data bearer.~~

8. (Currently Amended) A method as claimed in claim 6, wherein ~~the sending comprises sending the request, in which the request comprises another request for creation of a packet data protocol context.~~

9. (Previously Presented) A method as claimed in claim 1, wherein the determining comprises determining the type in the gateway.

10. (Currently Amended) A method as claimed in claim 91, comprising receiving at the gateway a message from an entity associated with the access network, and wherein the determining comprises determining the type of an access network based on the address of the entity associated with the access network.

11. (Currently Amended) A method as claimed in claim 91, comprising receiving at the gateway a message from an entity associated with the access network, and wherein the determining comprises:

determining the type of the access network supported by the entity associated with the access network; and

determining the type of the access network from the access type supported by the entity associated with the access network.

12. (Currently Amended) A method as claimed in claim 91, comprising receiving at the gateway a message from an entity associated with the access network, and wherein the determining comprises determining the type of the access network based on a characteristics of asaid message ~~signaled~~received from the entity associated with the access network ~~to at~~ the gateway.

13. (Cancelled)

14. (Currently Amended) A method as claimed in claim 1, comprising determining in the gateway if a service specific policy is already available for the identified communication session.

15-19. (Cancelled)

20. (Previously Presented) A method as claimed in claim 1, wherein the deciding comprises selecting an access network specific policy.

21. (Original) A method as claimed in claim 1, further comprising determining if the access network operates in accordance with one of:

a second generation standard, a third generation standard, or a wireless local area network standard.

22. (Currently Amended) A method as claimed in claim 1, wherein the deciding comprises deciding traffic flow control policy is a service specific policy.

23. (Currently Amended) A method as claimed in claim 1, wherein the deciding comprises ~~deciding the policy based on the information~~ regarding ~~of the type of the access network~~[[,]]

~~wherein the information is one of a quality of service policy, a security policy, and a charging rule.~~

24. (Cancelled)

25. (Currently Amended) A computer program embodied on a computer readable medium, the computer program configured to control a processor to decide a traffic flow control policy for controlling communications in a communication system, comprising:

~~determining a type of an access network associated with communications via a gateway~~via which a service is to be provided; and

enforcing at a gateway in the provisioning of said service via said access network~~deciding a traffic flow control policy to apply to communications via the gateway based~~decided on the basis of information regarding the type of the access network.

26. (Previously Presented) A communication system comprising:

different access networks;

a gateway configured to communicate with entities associated with the different access networks;

an access network type determination processor configured to determine a type of an access network of the different access networks; and

a decision making processor configured to decide a traffic flow control policy to apply to communications via the gateway based on information of the type of the access network,

wherein the communication system is configured to control communications based on decisions by the decision making processor.

27-30. (Cancelled)

31. (Currently Amended) An apparatus, comprising:

an access network type determining processor configured to determine a type of an access network via which a service is to be provided; and

~~a decision making processor~~an enforcing processor configured to ~~decide~~enforce at a gateway in the provisioning of said service via said access network a traffic flow control policy ~~to apply to communications via a gateway based~~decided on the basis of ~~on~~ information of the type of the access network.

32-33. (Cancelled)

34. (Currently Amended) An apparatus, comprising:

access network type determining means for determining a type of an access network via which a service is to be provided; and

~~decision-making~~enforcing means for ~~deciding~~enforcing at a gateway in the provisioning of said service via said access network a traffic flow control policy ~~to apply to communications via a gateway based~~decided on the basis of information ~~of~~regarding the type of the access network~~[[,]] wherein the gateway control traffic flows based on decisions by the decision-making means.~~

35. (New) An apparatus as claimed in claim 31, wherein the access network type determining processor is configured to determine the type of the access network based on data received at the gateway from an entity associated with the access network.

36. (New) An apparatus as claimed in claim 35, comprising a receiver configured to receive type information from the entity at the gateway.

37. (New) An apparatus as claimed in claim 35, wherein the entity associated with the access network comprises a node connected to the access network.

38. (New) An apparatus as claimed in claim 35, wherein the entity associated with the access network comprises a user equipment.

39. (New) An apparatus as claimed in claim 35, comprising a receiver configured to receive a request for a data bearer at the gateway.

40. (New) An apparatus as claimed in claim 39, wherein the request for a data bearer includes information regarding the type of the access network.

41. (New) An apparatus as claimed in claim 39, wherein the request comprises another request for creation of a packet data protocol context.

42. (New) An apparatus as claimed in claim 31, wherein the access network type determining processor is provided at the gateway.

43. (New) An apparatus as claimed in claim 31, comprising a receiver configured to receive at the gateway a message from an entity associated with the access network, and wherein the access network type determining processor is configured to determine the type of an access network based on the address of said entity associated with the access network.

44. (New) An apparatus as claimed in claim 31, comprising a receiver configured to receive at the gateway a message from an entity associated with the access network, and wherein the access network type determining processor is configured to determine the

type of the access network supported by the entity associated with the access network, and determine the type of the access network from the access type supported by the entity associated with the access network.

45. (New) An apparatus as claimed in claim 31, comprising a receiver configured to receive at the gateway a message from an entity associated with the access network, and wherein the access network type determining processor is configured to determine the type of the access network based on a characteristics of said message received from the entity at the gateway.

46. (New) An apparatus as claimed in claim 31, further comprising an identifying processor configured to identify a communication session by the gateway.

47. (New) An apparatus as claimed in claim 46, comprising a determining processor configured to determine in the gateway if a service specific policy is already available for the identified communication session.

48. (New) A method as claimed in claim 1, comprising receiving at the gateway from a policy control entity a plurality of traffic flow control policies, and selecting one of said plurality traffic flow control policies based on said information regarding the type of the access network.

49. (New) An apparatus as claimed in claim 31, comprising a receiver configured to receive at the gateway from a policy control entity a plurality of traffic flow control policies, and a decision making processor configured to select one of said plurality traffic flow control policies based on said information regarding the type of the access network.

50. (New) A method as claimed in claim 1, comprising:

sending from the gateway to a policy control entity a message including an indication of the type of the access network via which the service is to be provided; and

receiving at the gateway from said policy control entity a message indicating said traffic flow control policy decision.

51. (New) A method as claimed in claim 1, comprising making the traffic flow control policy decision at the gateway.

52. (New) An apparatus as claimed in claim 31, comprising:

a transmitter configured to send from a gateway to a policy control entity a message including an indication of the type of the access network via which the service is to be provided; and

a receiver configured to receive at said gateway from said policy control entity a message indicating said traffic flow control policy decision.

53. (New) An apparatus as claimed in claim 31, comprising a decision making processor configured to decide said traffic flow control policy at the gateway.

54. (New) A method, comprising:

making at a policy control entity a traffic flow control policy decision using as one decision criteria a type of an access network via which a service is to be provided; and

sending to a gateway from said policy control entity a message indicating said traffic flow control policy decision.

55. (New) A method as claimed in claim 54, comprising receiving a request for said traffic flow control policy decision from the gateway, wherein the request includes an indication of the type of the access network via which the service is to be provided.

56. (New) A method as claimed in claim 54, further comprising sending an inquiry for a subscription profile from the policy control entity to a separate database.

57. (New) A method as claimed in claim 54, further comprising authorizing a user at the policy control entity.

58. (New) An apparatus, comprising:

a decision making processor configured to make at a policy control entity a traffic flow control policy decision using as one decision criteria a type of an access network via which a service is to be provided; and

a transmitter configured to send to a gateway from said policy control entity a message indicating said traffic flow control policy decision.

59 (New) An apparatus according to claim 58, comprising a receiver configured to receive a request for said traffic flow control policy decision from the gateway, wherein the request includes an indication of the type of the type of the access network via which the service is to be provided.

60. (New) An apparatus as claimed in claim 58, further comprising a transmitter configured to send an inquiry for a subscription profile from the policy control entity to a separate database.

61. (New) An apparatus as claimed in claim 58, further comprising an authorizing processor configured to authorize a user at the policy control entity.

62. (New) An apparatus, comprising:

decision making means for making at a policy control entity a traffic flow control policy decision using as one decision criteria a type of an access network via which a service is to be provided; and

sending means for sending to a gateway from said policy control entity a message indicating said traffic flow control policy decision.